



White Elastomeric Roof Coatings

The Potential to Reduce Energy Costs While Extending the Useful Life of Your Roof



White Elastomeric Coatings

The Intelligent Choice for Premium Roof Protection

Cool roof reflective coatings protect your roof from deterioration caused by heat absorption and UV radiation due to the sun. White elastomeric coatings provide a highly reflective, seamless barrier against corrosive elements that lead to moisture penetration and damaging leaks. When installed, white elastomeric coatings will provide roof protection and can avoid costly roof replacements.

Polyglass' premium white elastomeric coatings are part of its Kool Roof Solutions™ - offering you long-term solutions to help keep your building cool and are kind to the environment:

- Polyglass' PolyBrite® 24 offers high levels of solar reflectance and thermal emittance, is CRRC Listed, and can be used to comply with 2016 Title 24 Part 6 Cool Roof Requirements.
- Polyglass PG 700 and PolyBrite 70 are also Miami-Dade County Approved, ENERGY STAR® Certified and meet or exceed the requirements of ASTM D6083 Standard Specification for Liquid-Applied Acrylic Coating Used in Roofing.
- Above all, PolyBrite 70 is UL Classified and FM Approved.

When choosing a solution to protect your roof, make the **intelligent choice** by using Polyglass' premium white elastomeric coatings as part of Polyglass' Kool Roof Solutions.

POLYGLASS QUALITY

Polyglass is committed to providing Kool Roof Solutions for your cool roofing needs. Our Kool Roof Solutions are proprietary formulations developed in our state-of-the-art laboratories and manufactured with some of the industry's highest quality raw materials. Whether it's our white elastomeric coatings or modified bitumen membranes, Polyglass is driven to develop advanced energy-saving roofing solutions which deliver long-term value for the building owner.



Surface Temperatures of Various Roof Surfaces:

Conditions: Ambient Temperature: 88 degrees (°F), Clear Skies, Central Florida

PolyBrite® 70

93°F

Concrete

150°F

Aluminum Coating

159°F

White Granulated Membrane

170°F

Black Single Ply

185°F

Black Roof Coating

195°F

Cool Roof Technology

allows the building

owner to extend the

useful life of the roof

while decreasing roof

temperature.

PolyBrite® 24



| | <u>Initial</u> | <u>Weathered</u> |
|---------------------------|-----------------|------------------|
| Solar Reflectance | 0.83 | 0.70 |
| Thermal Emittance | 0.88 | 0.88 |
| Rated Product ID Number | 0616-0012 | |
| Licensed Seller ID Number | 0616 | |
| Classification | Production Line | |

Cool Roof Rating Council ratings are determined for a fixed set of conditions, and may not be appropriate for determining seasonal energy performance. The actual effect of solar reflectance and thermal emittance on building performance may vary.

Manufacturer of product stipulates that these ratings were determined in accordance with the applicable Cool Roof Rating Council procedures.

Solar Reflectance Index (SRI) Initial: 104 Weathered: 85

PolyBrite® 70 - PG 700



| | <u>Initial</u> | <u>Weathered</u> |
|---------------------------|-----------------|------------------|
| Solar Reflectance | 0.87 | 0.75 |
| Thermal Emittance | 0.90 | 0.90 |
| Rated Product ID Number | 0616-0006 | |
| Licensed Seller ID Number | 0616 | |
| Classification | Production Line | |

Cool Roof Rating Council ratings are determined for a fixed set of conditions, and may not be appropriate for determining seasonal energy performance. The actual effect of solar reflectance and thermal emittance on building performance may vary.

Manufacturer of product stipulates that these ratings were determined in accordance with the applicable Cool Roof Rating Council procedures.

Solar Reflectance Index (SRI) Initial: 110 Weathered: 93

The Polyglass Elastomeric Roof Coating Systems offer a complete solution for new and existing roofs, enabling a water resistant, fully-adhered seamless roof membrane.



Product

Description

PolyBrite 70 Premium Grade Bright White Coating

PolyBrite 72 Bright White Flashing Compound

PolyBrite 74 Light Blue Rust Inhibitor

PolyBrite 76 Base Coat for Stain Blocking and Enhanced Standing Water Resistance

PolyBrite 24 White Elastomeric Coating

Product

Description

PG 700 High Quality Bright White Coating

PG 800 Asphalt Emulsion

PolyBrite Fabric Stitchbond Polyester Fabric

* For more information on Polyglass roof coatings, please contact your local Polyglass Sales Representative or visit www.polyglass.us for the latest Product Data Sheets.

Polyglass Elastomeric Reflective Coating System

Typical Application Rates

| | |
|----------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| BUR/Modified: | 1) PG 800 /embedded fabric / PolyBrite 72 for the details / 2 coats of PolyBrite 70 2) PolyBrite 76 /embedded fabric / PolyBrite 72 for the details / 2 coats of PolyBrite 70 |
| Metal: | PolyBrite 72 for fasteners and seams (may require fabric) / PolyBrite 74 for rusting areas / 2 coats of PolyBrite 70 |
| Single Ply: | 2 to 3 coats of PolyBrite 70 |
| PUF: | 2 to 3 coats of PolyBrite 70 |



The flexibility to determine the level of protection

BUR/SBS & APP Modified

- 1) PolyBrite 72 details/2 coats of PolyBrite 24
- 2) PolyBrite 72 details/2 coats of PG 700
- 3) PG 800 Emulsion/PolyBrite 72 details/2 coats of PG 700
- 4) PG 800 Emulsion/PolyBrite 72 details/2 coats of PolyBrite 70
- 5) PG 800 Emulsion/Fabric/PolyBrite 72 details/2 coats of PG 700
- 6) PG 800 Emulsion/Fabric/PolyBrite 72 details/2 coats of PolyBrite 70

GOOD

BETTER

BEST

What makes PolyBrite 70 superior?

- Meets or exceeds the requirements of ASTM D6083 Standard Specification for Liquid-Applied Coating used in Roofing
- FM Approved
- Higher TiO₂ levels and other premium filling agents
- 10+ year systems warranty available when used as an approved system

Polyglass Elastomeric Roof Coating System

- Extends the useful life of the roof
- Offers excellent resistance to extended exposure to solar ultraviolet energy
- CRRC Listed, can be used to comply with 2016 Title 24 Part 6 Cool Roof Requirements and Houston & Chicago Commercial Energy Codes
- Can reduce energy costs by decreasing roof surface temperature
- Offers high tensile strength and elongation
- Resists dirt pick-up
- Fungal and algal resistant – even in high humidity conditions
- Low VOC, non-flammable and presents minimal hazard to the applicator or the environment



Product Approvals





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